THE SNUGLETTER
FROM THE SOUTHERN NEVADA USERS' GROUP

Volume 7 - No. 5 May, 1989

NEXT MEETING

6:30PM MONDAY, MAY 8, 1989

NEVADA POWER COMPANY MEETING ROOM

6226 WEST SAHARA AVENUE

PRESIDENT'S MESSAGE

by Bob Sherburne

I have just returned home from the officer's meeting and discovered that I still have a bit of time left before lights-out. The monthly meeting will consist of at least four demonstrations, two 9640 and two 99/4A, and should be an excellent one. I would really like to talk about what is coming up but that is someone else's department. (darn!)

I want to thank Gordon Leonard for the donation of a 99/4A console, and ex-member Lance Groff who donated a TI disk controller and a Foundation 32K memory expansion card. With these additions to the club hardware collection we now have two systems from which John Martin, club hardware custodian/repairman/sysop, may choose. Unfortunately both systems have short-comings (and strong points) which we will be discussing at the meeting.

During the April meeting (which I could not attend due to my work schedule) Gordon Leonard brought up the topic of access to the group's program library. I have always felt that the only way a member can have "unlimited" use of the library is to become the librarian (which I was at one time). Members with "limited" useage have virtually no access at this time. I feel that the club's current library policy is unfair to the membership, and that it SHOULD be changed. The membership should be advised as to the contents of the library, allowed access to the programs for a reasonable copy fee, and if possible, time should be allocated for program distribution at the monthly meetings. My proposal to change the library setup will have little or no effect on me since I get most of my new software from the information networks, but I feel that the group would benefit as a whole if the distribution policies were changed. If any of you agree, come to the May meeting and provide some input on the matter.

BOB

LIBRARIAN'S REPORT

by George Campbell

THE COMPLETE SNUG LIBRARY CONSISTS OF 3 100 DISK BOXES.

#1 BOX IS THE MASTER LIBRARY BOX. 58 DISKS, MOSTLY ARCHIVED. AND THIS BOX I CATALOGED AND THE CATALOG WILL BE ON THE SNUG BBS SHORTLY - AS SOON AS MARTIN CAN GET SOME BREATHING SPACE.

#2 BOX IS THE ACTIVE FILE BOX. MOSTLY UNARCHIVED, AND MOST ARE AS RECEIVED EXCEPT BOB BIEBER HAS SPENT A LOT OF TIME ON THESE MAKING FAULTY FILES WORK AND MAKING A BUNCH OF READ ME FILES EXPLAINING HOW THEY WORK. IT IS AMAZING HOW MANY DISKS THE LIBRARY RECEIVES, NO DOCS AND BUGS GALORE. THE ACCEPTABLE ONES HAVE BEEN ARC'ED AND PLACED IN THE MASTER BOX. 106 DISKS.

#3 BOX (JUNK BOX ?) HAS THE RECENTLY RECEIVED DISKS, PUT THERE UNTIL EVALUATED AND SOME DISKS TOO GOOD TO THROW AWAY AND NOT GOOD ENOUGH TO KEEP. 37 DISKS. (WE ARE WAY BEHIND IN THIS DEPT.)

#4 BOX IS A 50 DISK BOX CONTAINING ONLY PLATO DISKS (50 OF THEM) AND 7 LOGO , PASCAL AND ? DISKS.

PLATO IS A EDUCATIONAL PROGRAM DEVELOPED IN THE EARLY 70S BY U.S.C. I DONT KNOW WHETHER ITS STILL IN USE OR NOT.

ALL 260 SNUG DISKS ARE MARKED WITH "S" AND HAVE A PROTECT TAB.

****

THE MAY D.O.M. WILL BE J. JOHNSONS BOOT PROGRAM WITH SEVERAL UTILITY AND OTHER FILES THAT GO WELL WITH IT. THE BOOT PROGRAM [illegible] NO. 3GO HAD SEVERAL BUGS, BUT THIS ONE DATED 2/19/89 WORKS WELL. THE BOOT PROGRAM WAS DEVELOPED FOR DISK DRIVES AND IS VERY ALSO THE MENU PROGRAM BY [illegible] FOR RAMDISK ONLY. I CONSIDER THESE TWO PROGRAMS THE BEST EVER DEVELOPED FOR THE T.I. AND AT ONLY 33 SECTORS FOR THE BOOT FILE IT SHOULD REPLACE THE LOADER PROGRAMS ON MANY DISKS. AMONG ITS MANY VIRTUES IT WILL RUN AND DISPLAY MOST FILES WE USE. ITS AN EXCELLENT PROGRAM FOR BEGINNERS TO OLD TIMERS.

Letterheads Made Easy

by Bob Sherburne

If you use a dot matrix printer which allows you the options of italics, compressed print, double width etcetera, then designing a letterhead using the basic arrangement below may be just what you need. Not only is the letterhead handy, but once the codes for the different print styles are transliterated you may use them at any time in the text of your letter to emphasize a word, sentence, or paragraph. Some explanation is in order.

The first eight lines starting with .CO (comment) are simply notes to myself to remind me which keys turn on which print style. For instance, if I were to want italics in a section of text I would press CONTROL-U, SHIFT-A (SH A), and CONTROL-U again to resume entering text. (CU SHIFT-B CU would turn it off again.) The next eight lines do the actual transliteration. If your printer command codes are different than the Epson, you may have to look up the code for italics for instance, and replace the 52 with the code for italics on your printer. The next line tells the formatter to fill the line, and set the left and right margins. You may also want to change these. .AD (adjust) makes the right margin as straight as the left. .LS 1 is for single line spacing. (why waste paper?) .PL 64 sets the page lenght at 64 lines. .IN +22 tells the formatter to indent 22 spaces. Now we come to my address and phone number, and this is where the printer will begin. You will notice ^'s before each line. On your own header tiny numbers with dots above them will be displayed. I set my printer to italics (which stays set until turned off) and double width, which needs to be set at the beginning of each line of the heading. You will probably want something different so you will need to reset the indentations (IN +#) to center your letterhead. When I start to write a letter, I load this file which I call HEAD, (imagine that!) and proceed to change the date to the current one. This requires a little ingenuity since the months are of different lengths, but it only takes a minute. If necessary I also change the salutation to Dear, and begin entering text. One more point should be explained. The .SP 5 after the date tells the formatter to print five blank lines before the salutation. When your letter head is saved to disk, (change the file name or you will over write your heading) so are your tab settings, so you never have to reset them. Tip: if you are using TI-Writer set your right TAB margin to 38 and you will never have to window again.

```
.CO SH A=ITALICS ON .TL 1:27,52
.CO SH B=ITALICS OFF .TL 2:27,53
.CO SH C=COMPRESS ON .TL 3:27,15
.CO SH D=DOUBLE W ON .TL 4:27,14
.CO SH E=COMP OFF .TL 5:27,18
.CO SH F=DOUB W OFF .TL 6:27,20
.CO SH P=UNDERLINE ON
.CO SH Q=UNDERLINE OFF
.TL 1:27,52
.TL 2:27,53
.TL 3:27,15
.TL 4:27,14
.TL 5:27,18
.TL 6:27,20
.TL 16:27,45,1
.TL 17:27,45,0
.PI,LM 5,RM 75
.AD
.LS 1
.PL 64
.IN +22
^^1213^SATTES ST
.IN +13
^LAS^VEGAS,^NEVADA^^89101
.IN +22
^(702)^399-4042
.IN +22
^APRIL 25,^1989
.IN +0
.SP 5
To Whom It May Concern,
```

SNUG TREASURER'S REPORT - 31 MARCH 1989
(in lieu of 31 March 1989 Bank Statement)
Karen Rodgers - Treasurer

FIXED ANNUAL EXPENDITURES	
SNUGLETter (estimated cost per 100)	
Publication Costs ($10/mo x 12)	$ 120.00
Postage ($25/mo x 12)	300.00
P. O. Box Rental ($28 annually)	28.00
Bank Account Service Charge ($8/mo x 12)	96.00
SNUG B/Board Phone line ($11/mo x 12)	132.00
Long Distance Phone Calls (estimated)	44.00
Miscellaneous Expenditures (estimated)	50.00
TOTAL ANNUAL OPERATING COSTS (estimated)	810.00
Annual Dues Collection (avg 30 mbrs x $18)	540.00
ANNUAL DEFICIT (ESTIMATED)	$ 270.00
FUNDS BALANCE (as of 28 February 1989)	$ 268.13
(includes $9.02 February service charge)	
COLLECTIONS (during March 1989)	
Regular Membership (2 x $18)	36.00
Bulk Diskette/Disc Box Sales	30.00
Miscellaneous TI Equipment Raffle	24.00
Miscellaneous TI Equipment Sales	13.35
(sub-total)	103.35
EXPENDITURES (during March 1989)	
B/B Expansion Box Repair	54.94
(sub-total)	54.94
FUNDS AVAILABLE (as of 31 March 1989)	
Checking Account (general operating funds)	$ 326.54

Myarc Advanced Basic

... It's been a long time coming

by John Martin

A couple days before last month's meeting I discovered a file on Compuserve that turned out to be an interum version of Myarc Advanced Basic for the Geneve computer. I got pretty excited because I have had my Geneve now for two years and have had to use either TI Extended Basic or a version of Myarc Basic that was written for their 128K card. There were so many things that were wrong with the Myarc version that it finally just wound up hidden somewhere in one of my disk boxes. Now, at last, here was the "official" Myarc Advanced Basic that we have been promised for so long!

I downloaded the file and de-archived it. It turned out to be a collection of 7 files named BASIC1.BASIC2...BASIC7 and a short file explaining that this was an interum version with a lot of bugs. It seems that the whole Geneve community is going to be beta testers for this one.... "Oh well..." I said to myself. I wanted to be a beta tester anyway.

The files load from DOS. They take up a lot of memory, so you can't have TIMEONE set before you run it. It is also necessary to use DOS V1.14 (or later hopefully) to get it to work properly. No problem. I just wrote a few new batch files to be sure that I had the memory configured correctly. I was a bit queasy about using DOS 1.14 since it has eaten both of my Horizon Ramdisks on several occasions, but having made backups first, I plunged right in.

To say that I was disappointed would be a gross understatement. I spent about 3 hours that first night trying to find a program that would run under MAB. There were so many bugs and incompatebilities that I was begining to wonder if ANY TI Extended Basic programs would run. I finally found a TI BASIC program called "VISIONS" that ran (sort of). There was some garbage on the screen, but the program seemed to work ok apart from that.

Since that night I have downloaded at least 3 more versions of MAB. I am happy to say that with the latest version (available on our BBS), I have now been able to get a significant number of TI Extended Basic programs to work. Most of them will require some minor modifications in order to run properly. In a great number of cases, the modification is as simple as adding a CALL GRAPHICS(1,1) to the begining of the program. This sets the screen display to the normal TI 32 column screen. There are 9 graphics modes available that exploit all of the different possibilities of the 9938 Video Display Processor.

There are still some bugs, and a few things don't work at all, but there is definite progress being made with the program. According to Myarc, most of the remaining bugs (some floating point routines, display routines, and, I think, the sprite routines) are actually in DOS. They should be worked out with the next release of SYSTEM/SYS.

I have deliberately not mentioned specific bugs or new features of MAB. This was done because I have to finish this report tonight and keep it short enough to fit in the newsletter. I hope to have a much more detailed report for you next month. Until then, if you can run it, download it and try it. It is fun and fast.

-John-

BBS Report

by John Martin

Anyone who has called the BBS during the last month has probably noticed that we now keep track of the date when you last called. This new feature is available because Rudy loaned the BBS his Proto-Board with the MBP clock/calendar card built on it. I find that it is much nicer to know when a message was left or when a caller last called. The log even keeps track of what time a person logged on. I don't know how long we will be able to use the card, but due to an incompatability problem with his new Geneve, he can't use it in his own system. Apart from an annoying habit of gaining a couple of minutes every day, it seems to work just fine on the BBS.

We finally recieved our CorComp Micro-Expansion system back from repairs. I have tested it and found it to be working fine. I am currently still using the temporary system that we set up while the CorComp box was being repaired. I was hoping that I could use the CorComp box with the TI P-Box connected to it by way of the feed-through connector on the CorComp box. This should work, but for some reason I am unable to access the clock card when connected that way. If anyone has any ideas, I would appreciate hearing them because I will be having to return the borrowed cards soon and will lose the use of the clock/calendar.

I have come up with two possible solutions that will need approval of the group. The first one would be to sell the P-Box system and buy a new kit (may not be available yet) to put the clock/calendar INSIDE the console. With the recently donated 32K card and TI disk controller card, a SSSD disk drive that I have just sitting around collecting dust, and the console that Gordon donated last month, we have a nearly full blown system that we could sell. This should provide more than enough cash to purchase the circuit board, necessary parts to build the kit, AND leave us with a healthy increase in our bank account.

The other solution follows the same lines except this time we sell the CorComp Micro-Expansion System, buy a DSDD controller (or better yet, a Hard and Floppy Disk Controller Card), use the donated 32K card, and buy the MBP Proto card from Rudy. Either way, we should be able to put some money in the bank.

I have run into a slight problem in implementing the SNUG library disk on the BBS. While writing the routines to access the MBP clock card, I started getting the dreaded "MEMORY FULL" errors. I was able to get all the clock routines written by deleting several REM statements from the program. I should be able to do the same for part of the new File Transfer disk, but may have to do some more shuffling of the program to get the whole thing going. I have been lacking in the spare-time department for the last month, so haven't been able to do very much at all with either the BBS or my own computer. I hope the situation will change this month.

-John-

SECRETARY'S REPORT

MINUTES
APRIL 10, 1989

Our President, Bob Sherburne was unable to attend the meeting this month due to work. In his place John Martin opened the meeting at 7:00PM and shortly after our Vice President Gordon Leonard arrived to take over. Fifteen (15) members and three (3) guest-Jerry Hammond,Tabatha Morgan and Nancy Campbell were present.

Gordon brought up the idea for a SNUG lending library and also discussed was putting a selection of programs on the Bulletin Board from the library. There was a collection for John Birdwell's DSKU, a great utility.

George Tilley once again gave an in-depth demonstration. This time with the program Personal Auditor by William Gaskill. A record keeping program with three ledgers, income, checking and credit card which is optional. The program has screen prompts and a help menu and also prompts for those who have only one disk drive. George pointed out its limitations but thought the documentation was thorough.

Lance Wilson demonstrated Roger Merrit's FORM SHOP. A neat little program that prints out charts, calendars, maps or anything you want to create using vertical lines, horizontal lines and boxes. The program is a TI Writer clone using a file called FSFONT to utilize special control U funtions to draw the lines. The program is compatible with most printers using the formatter to print your creations.

RAFFLE WINNERS
-Cindy Mitchell selected FORM SHOP
-Gordon Leonard opted for a package of disks

Thank's a Lot Karen.
The meeting adjourned at 9:00PM

We have several programs in the raffle this month. Roger Merrit's PICTURE-IT,JIFFY FLYER and JIFFY CARD.The PERSONAL AUDITOR program and REMIND ME! by John Johnson, also there is a computer that was donated last month. IF YOU come to the May meeting you may win one of the above.

At the May meeting Rudy Johnson will demo PR EDITOR, Bob Sherburne will show us his long awaited PICTURE TRANSFER. Cindy Mitchell will demonstrate JIFFY CARD and John Martin will "Surprise" us. Hope to see you at the meeting.

CINDY MITCHELL
SECRETARY
SNUG USERS GROUP

FOR SALE:Cream Console,Speech Synthesizer,Ex.Basic,Joy Sticks, 16 Game Modules,10 New Cassettes, Misc.Books & Cassettes.
Contact Cindy Mitchell-(871-0309)

SNUG TREASURER'S REPORT - 31 MARCH 1989
(in lieu of 30 April 1989 bank statement)
Karen Rodgers - Treasurer

FIXED ANNUAL EXPENDITURES	
SNUGLETter (estimated cost per 100)	
Publication Costs ($10/mo x 12)	$ 120.00
Postage ($25/mo x 12)	300.00
P. O. Box Rental ($20 annually)	28.00
Bank Account Service Charge ($8/mo x 12)	96.00
SNUG B/Board Phone Line ($11/mo x 12)	132.00
Long Distance Phone Calls (estimated)	44.00
Miscellaneous Expenditures (estimated)	90.00
TOTAL ANNUAL OPERATING COSTS (estimated)	810.00
Annual Dues Collection (avg 30 mbrs x $18)	540.00
ANNUAL DEFICIT (ESTIMATED)	$ 270.00
FUNDS BALANCE (as of 31 March 1989)	$ 318.03
(includes $8.5) February service charge)	
COLLECTIONS (during April 1989)	
Newsletter Only member (1 x $10)	10.00
Bulk Diskette/Disc Box Sales	43.50
Disc of the Month.	4.00
Miscellaneous TI Equipment Raffle.	27.00
Miscellaneous TI Equipment Sales	6.60
Donation for DSKU-John Birdwell.	50.00
(sub-total)	141.10
EXPENDITURES (during April 1989)	
Postage-March SNUGLETter	25.00
Postage-April SNUGLETter	27.50
SNUGLETter Copying Supplies.	55.10
(sub-total)	107.60
FUNDS AVAILABLE (as of 30 April 1989)	
Checking Account (general operating funds)	$ 301.53
Donation Trust Fund-DSKU, John Birdwell	50.00
Total Funds Balance	351.53

Assoc. Ed. Associates

by George Tilley

After being on the mast-head for months and doing nothing, I got the call. It was a great experience. Your "Regulars" could have put out the SNUGLETter in much less time than they spent with me. With their help I did things I've never done before. Hopefully, I can only whom I get the next call if they choose to wean me, but no one person will ever match their combined efforts. Thanks, you are a great group.

GETTING THE MOST FROM YOUR CASSETTE SYSTEM
BY MICKEY SCHMITT
NUMBER 8
CLYDE COLLEDGE'S: HIGH-SPEED CASSETTE LOADER PART II

AS PROMISED... THIS MONTH I AM CONTINUING WITH THE TOPIC OF CLYDE COLLEDGE'S HIGH-SPEED CASSETTE LOADER. FOR THOSE OF YOU WHO ARE NOT YET FAMILIAR WITH THIS PARTICULAR PROGRAM... LET ME SAY ONCE AGAIN... IF YOU ARE STILL USING A CASSETTE SYSTEM... THIS PROGRAM IS A MUST! IT IS BY FAR ONE OF THE MOST IMPRESSIVE CASSETTE UTILITIES AVAILABLE TO DATE!

WHILE LOADING CLYDE'S PROGRAM IS NOT A DIFFICULT PROCESS IN ITSELF... UNDERSTANDING THE PROCEDURE FOR THE VERY FIRST TIME CAN BE A LITTLE CONFUSING. WITH THAT THOUGHT IN MIND I HAVE TRIED TO KEEP THE "LOAD" INSTRUCTIONS AS SIMPLE AS POSSIBLE.

INSTRUCTIONS FOR LOADING CLYDE'S LOADER:

1. INSERT THE EXTENDED BASIC MODULE INTO THE COMPUTER
2. SELECT OPTION 2 - EXTENDED BASIC
3. TYPE: OLD CS1
4. THEN: PRESS ENTER
5. FOLLOW THE DIRECTIONS AS THEY APPEAR ON YOUR MONITOR OR TV SCREEN:
   - 5.1 * REWIND CASSETTE TAPE CS1
     THEN PRESS ENTER
   - 5.2 * PRESS CASSETTE PLAY CS1
     THEN PRESS ENTER
   - 5.3 COMPUTER DISPLAYS MESSAGE:
     * READING
   - 5.4 COMPUTER DISPLAYS MESSAGE:
     * DATA OK
   - 5.5 * PRESS CASSETTE STOP CS1
     THEN PRESS ENTER
6. WAIT FOR THE FLASHING CURSOR TO APPEAR IN THE LOWER LEFT-HAND CORNER OF YOUR MONITOR OR TV SCREEN
7. TYPE: RUN
8. THEN: PRESS ENTER
9. THE COMPUTER WILL THEN RETURN BACK TO THE EXTENDED BASIC SCREEN WITH THE MESSAGE: * READY * AND THE CURSOR WILL ONCE AGAIN BE FLASHING IN THE LOWER LEFT-HAND CORNER OF YOUR MONITOR OR TV SCREEN
   CLYDE COLLEDGE'S: HIGH-SPEED CASSETTE LOADER IS NOW LOADED

INSTRUCTIONS FOR USING CLYDE'S LOADER:

1. AFTER YOU HAVE LOADED CLYDE'S LOADER
   TYPE: CALL LINK("OLD")
2. THEN: PRESS ENTER
3. YOU CAN NOW LOAD IN ANY PROGRAM WHICH YOU HAVE ON CASSETTE IN HALF THE AMOUNT OF TIME THAT IT WOULD HAVE TAKEN YOU NORMALLY!
4. JUST FOLLOW THE DIRECTIONS AS THEY APPEAR ON YOUR MONITOR OR TV SCREEN: THAT'S ALL THERE IS TO IT!

CLYDE'S LOADER HAS TWO VERY SPECIAL FEATURES THAT SHOULD NOT GO WITHOUT MENTION. FIRST OF ALL... THE HIGH-SPEED CASSETTE ROUTINES ARE EXACTLY THE SAME AS TEXAS INSTRUMENTS CASSETTE ROUTINES - MAKING THIS PROGRAM VERY USER FRIENDLY. SECONDLY... ONCE THE LOAD PROGRAM HAS BEEN PLACED IN THE 32K MEMORY... IT WILL STAY IN MEMORY... EVEN IF YOU ACCIDENTLY HIT 'FUNCTION QUIT'. JUST RETYPE "CALL LINK("OLD")" AND YOU ARE READY TO GO. YOU CAN'T LOSE THE "LOAD PROGRAM" UNLESS YOU TURN OFF THE CONSOLE!

IF YOU WISH TO PURCHASE THIS PROGRAM PLEASE SEND $5.00 TO:

PITTSBURGH USER GROUP
P.O. BOX 8043
PITTSBURGH, PA 15216
ATTN: PUG LIBRARIAN

TIPS FROM THE TIGERCUB

#43

TIGERCUB SOFTWARE
156 Collingwood Ave.
Columbus, OH 43213

Distributed by Tigercub Software to TI-99/4A Users Groups for promotional purposes and in exchange for their newsletters. May be reprinted by non-profit users groups, with credit to Tigercub Software.

Over 130 original programs in Basic and Extended Basic, available on cassette or disk, now reduced to just $2.00 each, plus $1.50 per order for cassette or disk and PP&H. Cassette programs will not be available after my present stock of blanks is exhausted.
Descriptive catalogs, while they last, $1.00 which is deductable from your first order.

Tigercub Full Disk Collections, reduced to $10 postpaid. Each of these contains either 5 or 6 of my regular $2 catalog programs, and the remaining disk space has been filled with some of the best public domain programs of the same category. I am NOT selling public domain programs - they are a free bonus!
TIGERCUB'S BEST, PROGRAMMING TUTOR, PROGRAMMER'S UTILITIES, BRAIN GAMES, BRAIN TEASERS, BRAIN BUSTERS!, MANEUVERING GAMES, ACTION REFLEX AND CONCENTRATION, TWO-PLAYER GAMES, KID'S GAMES, MORE GAMES, WORD GAMES, ELEMENTARY MATH, MIDDLE/HIGH SCHOOL MATH, VOCABULARY AND READING, MUSICAL EDUCATION, KALEIDOSCOPES AND DISPLAYS

NUTS & BOLTS (No. 1), a full disk of 100 Extended Basic utility subprograms in merge format, ready to merge into your own programs. Plus the Tigercub Menuloader, a tutorial on using subprograms, and 5 pages of documentation with an example of the use of each subprogram. Reduced to $15.00 postpaid.
NUTS & BOLTS NO. 2, another full disk of 108 utility subprograms in merge format, all new and fully compatible with the last, and with 10 pages of documentation and examples. Also $15 postpaid.

```
$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$
$ NUTS & BOLTS #3 is now       $
$ ready. another full disk     $
$ of 100 new merge-format      $
$ utility subprograms, all     $
$ compatible with the pre-     $
$ vious. With 91 pages of      $
$ documentation, $15 ppd.      $
$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$
```

TIPS FROM THE TIGERCUB, a full disk containing the complete contents of this newsletter Nos. 1 through 18, 50 original programs and files, reduced to $10 ppd.
TIPS FROM THE TIGERCUB VOL. 2, another diskfull, complete contents of Nos. 15 through 24, over 60 files and programs, also just $10
TIPS FROM THE TIGERCUB VOL. 3, another 62 programs, tips and routines from Nos. 25 through 32, $10 postpaid.
TIPS FROM THE TIGERCUB VOL. 4, another 49 programs and files from issues 33 through 41, also $10 postpaid.

If you have as much trouble as I do, trying to get the strip labels lined up in the printer, you'll like this one -

```
100 DISPLAY AT(4,7)ERASE ALL
:"TiGERCUB LABELER": : : :"
This label maker will allow"
:"you to specify different":
"printer codes for each line"
110 DISPLAY AT(11,1):"of a 5
-line label.": : :" You may
stop the program":"while lab
els are printing":"by pressi
ng any key, turn"
120 DISPLAY AT(17,1):"off th
e printer to adjust":"the la
bels, turn it back on,":"and
 press any key to con-":"tin
ue printing."
130 DISPLAY AT(23,1):"Printe
r designation?":"PIO" :: ACC
EPT AT(24,1)SIZE(-28)BEEP:PR
$ :: OPEN #1:PR$ :: P$,E$,D$
$,CE$="Y" :: DW$,L$,B$,U$=
"N" :: P=1
140 CALL CHAR(95,"FF")
150 FOR J=1 TO 5 :: CALL KEY
(3,K,S)
160 DISPLAY AT(2,1)ERASE ALL
:"Line #";J;" - PRINT? "&P$
:: CALL QUERY(2,20,P$):: IF
P$="N" THEN L$(J)="" :: GOTO
 360
170 IF J>1 THEN DISPLAY AT(4
,1):"Change codes? N" :: CAL
L QUERY(4,15,D$):: IF D$="N"
 THEN 300
180 DISPLAY AT(4,1):"Print p
itch? ";P;" (1)pica":" (2)el
ite":" (3)condensed" :: ACCE
PT AT(4,15)SIZE(-1)VALIDATE(
"123"):P
190 C1=-(P=1)*14-(P=2)*12+(
P=3)*17 :: L$(J)=CHR$(27)&"
P"&CHR$(P):: DISPLAY AT(5,1)
;"";"";""
200 DISPLAY AT(6,1):"Double
width? "&DW$ :: CALL QUERY(6
,15,DW$):: IF DW$="Y" THEN C
1=C1/2 :: L$(J)=L$(J)&CHR$(1
4)ELSE L$(J)=L$(J)&CHR$(20)
210 DISPLAY AT(8,1):"Italics
? "&I$ :: CALL QUERY(8,10,I$
):: IF I$="Y" THEN L$(J)=L$(
J)&CHR$(27)&"4" ELSE L$(J)=L
$(J)&CHR$(27)&"5"
220 DISPLAY AT(10,1):"Supers
cript? "&SS$ :: CALL QUERY(1
0,14,SS$):: IF SS$="Y" THEN
L$(J)=L$(J)&CHR$(27)&CHR$(83
)&CHR$(0)ELSE L$(J)=L$(J)&CH
R$(27)&CHR$(84)
230 IF SS$="Y" THEN 250
240 DISPLAY AT(12,1):"Double
-strike? "&DS$ :: CALL QUERY
(12,16,DS$):: IF DS$="Y" THE
N L$(J)=L$(J)&CHR$(27)&"G" E
LSE L$(J)=L$(J)&CHR$(27)&"H"
250 IF P<>1 OR S$="Y" THEN
270 :: DISPLAY AT(14,1):"Emp
hasized? "&E$ :: CALL QUERY(
14,13,E$)
260 IF E$="Y" THEN L$(J)=L$(
J)&CHR$(27)&"E" ELSE L$(J)=L
$(J)&CHR$(27)&"F"
270 DISPLAY AT(16,1):"Underl
ining? "&U$ :: CALL QUERY(16,
20,U$)
280 IF U$="N" THEN L$(J)=L$(
J)&CHR$(27)&CHR$(45)&CHR$(0)
290 DISPLAY AT(18,1):"Center
 text? Y" :: CALL QUERY(18,1
6,CE$)
300 DISPLAY AT(18,1):"Type l
ine";J;". Enter each":"scree
n line, enter again":"when d
one." :: DISPLAY AT(22,1):RP
T$("_",INT(C1*3.5)):: R=21 :
: CALL KEY(5,K,S)
310 ACCEPT AT(R,1):A$ :: IF
A$="" THEN 320 :: A$=A$[1,C1
] :: R=R+1 :: GOTO 310
320 IF LEN(A$)>INT(C1*3.5)TH
EN DISPLAY AT(16,1):"LINE TO
O LONG!" :: CALL SOUND(300,1
10,0,-4,0):: A$="" :: R=21 :
: GOTO 310
330 L=LEN(A$):: IF U$="Y" TH
EN A$=CHR$(27)&CHR$(45)&CHR$
(1)&A$&CHR$(27)&CHR$(45)&CHR
$(0)
340 IF CE$="Y" THEN A$=RPT$
(" ",(13*(C1*3.5)-L)/2)&A$
350 L$(J)=L$(J)&A$ :: A$=""
360 NEXT J
370 DISPLAY AT(12,1)ERASE AL
L:"Print how many?" :: ACCEP
T AT(12,17):N
380 FOR J=1 TO N :: FOR K=1
TO 6 :: PRINT #1:L$(K):: NEX
T K
390 CALL KEY(0,K,S):: IF S=0
 THEN 410 ELSE CLOSE #1
400 CALL KEY(0,K$,S1):: IF S
1<1 THEN 400 ELSE OPEN #1:PR
$
410 NEXT J
420 DISPLAY AT(12,8)ERASE AL
L:"Another?" :: CALL QUERY(1
2,17,O$):: IF O$="N" THEN ST
OP ELSE 150
430 SUB QUERY(R,C,A$):: ACCE
PT AT(R,C)SIZE(-1)VALIDATE("
YN")BEEP:A$ :: SUBEND
```

(continued)

(TIGERCUB TIP #43..continued)

More peculiarities of the TI computer -

```
90 CALL CLEAR :: PRINT TAB(7
);"SPRITE PUZZLE #1";"
  from Tigercub"
100 PRINT "A non-existent sp
rite can be":"created by CAL
L MOTION.": :"It apparently
starts in"
110 PRINT "dot-row 1, dot-co
lumn 1, and":"has color 1, b
ut its pattern":"is not that
 of any ASCII!"
120 !by Jim Peterson
130 FOR CH=0 TO 255 :: PRINT
 CHR$(CH);:: NEXT CH
135 PRINT "CALL MOTION(#1,S,
5):: CALL COLOR(#1,16):: CAL
L MAGNIFY(4)"
140 CALL MOTION(#1,5,5):: CA
LL COLOR(#1,16):: CALL MAGNI
FY(4)
150 GOTO 150
```

And another -

```
100 DISPLAY AT(3,5)ERASE ALL
:"SPRITE PUZZLE #2": :"
 From Tigercub"
110 DISPLAY AT(7,1):"Non-exi
stent sprites can be":"creat
ed by CALL COLOR.": :"Their
existence can be con-"
120 DISPLAY AT(11,1):"Fooled
 by CALL COINC, but":"CALL P
OSITION reports that":"they
have no position!"
130 CALL COLOR(#1,16):: CALL
 COLOR(#2,16)
140 CALL COINC(#1,#2,1,X)::
DISPLAY AT(15,1):"COINC #1,#
2=";X :: CALL POSITION(#1,X,
Y)
150 CALL POSITION(#1,X,Y)::
DISPLAY AT(17,1):"POSITION #
1=";X;Y
160 CALL POSITION(#2,X,Y)::
DISPLAY AT(19,1):"POSITION #
2=";X;Y
170 IF FLAG=1 THEN 140 :: FL
AG=1
180 DISPLAY AT(21,1):"PRESS
ANY KEY"
190 CALL KEY(0,K,S):: IF S=0
 THEN DISPLAY AT(21,1):"pres
s any key" :: GOTO 180
200 DISPLAY AT(21,1):"Until
they're set in motion!"
210 CALL MOTION(#1,5,5):: CA
LL MOTION(#2,-5,-5):: GOTO 1
50
```

If you have the Terminal Emulator II, Speech Synthesizer, and a pre-schooler in the house, this will help him to grasp the idea of spelling as well as letter recognition and keyboard familiarization-

```
100 REM  PRE-SPELLER BY JIM
PETERSON
110 REM  TI BASIC WITH TERMI
NAL EMULATOR II AND SPEECH S
YNTHESIZER
120 CALL CLEAR
130 DIM M$(100),S$(100)
140 OPEN #1:"SPEECH",OUTPUT
150 PRINT "        PRE-SPELL
ER":::::
160 PRINT "TYPE WORDS TO PRA
CTICE":"TYPE 'END' WHEN FIN
ISHED"
170 X=X+1
180 INPUT M$(X)
190 IF M$(X)="END" THEN 380
200 PRINT #1:M$(X)
210 PRINT "PRONUNCIATION OK?
 (Y/N)"
220 CALL KEY(3,K,S)
230 IF S<1 THEN 220
240 IF K=89 THEN 280
250 IF K<>89 THEN 220
260 S$(X)=M$(X)
270 GOTO 170
280 PRINT "TRY SPELLING PHON
ETICALLY"
290 INPUT S$(X)
300 PRINT #1:S$(X)
310 PRINT "PRONUNCIATION OK?
 (Y/N)"
320 CALL KEY(3,K,S)
330 IF S<1 THEN 320
340 IF K=89 THEN 170
350 IF K<>78 THEN 320
360 PRINT "TRY AGAIN"
370 GOTO 290
380 CALL CLEAR
390 FOR J=1 TO X-1
400 PRINT #1:"CAN YOU SPELL
THIS?"
410 FOR A=1 TO LEN(M$(J))
420 CALL HCHAR(12,8+A,ASC(SE
G$(M$(J),A,1)))
430 NEXT A
440 FOR B=1 TO LEN(M$(J))
450 CALL KEY(3,K,S)
460 IF (S<1)+(K=32)THEN 450
470 IF K=ASC(SEG$(M$(J),B,1)
)THEN 500
480 GOSUB 640
490 GOTO 450
500 C$=C$&CHR$(K)
510 CALL HCHAR(14,8+B,K)
520 NEXT B
530 IF C$<>M$(J)THEN 640
540 PRINT #1:S$(J)
550 FOR D=1 TO 500
560 NEXT D
570 PRINT #1:"VEREE GOOD"
580 FOR D=1 TO 500
590 NEXT D
600 C$=""
610 CALL HCHAR(12,1,32,100)
620 NEXT J
630 GOTO 390
640 PRINT #1:"NO THAT IS NOT
 RIGHT"
650 PRINT #1:"TRY AGAIN"
660 RETURN
```

..And, a simple little game that is a bit different than any I've seen -

```
100 !FORMATION by Jim Peters
on - use the S and D keys
110 CALL CLEAR :: CALL CHAR(
100,"381010FEFE3838101038383F
EFE10103838"):: CALL SCREEN(
5):: CALL MAGNIFY(2):: RANDO
MIZE
120 V,W,P=0 :: FOR J=1 TO 7
:: CALL SPRITE(#J,100,7,1,25
0+RND*1,10,4):: FOR D=1 TO 1
00 :: NEXT D :: NEXT J :: CA
LL SPRITE(#11,101,16,160,128
)
130 CALL KEY(3,K,S):: W=W+1
:: IF W=150 THEN 170 ELSE IF
 W=300 THEN 180 ELSE IF K=68
 THEN V=V+2+(V>122)*2 ELSE I
F K=83 THEN V=V-2-(V<-125)*2
140 IF P=0 THEN CALL MOTION(
#11,0,V)ELSE IF P=1 THEN CAL
L MOTION(#11,0,V,#12,0,V)ELS
E CALL MOTION(#11,0,V,#12,0,
V,#13,0,V)
150 CALL COINC(ALL,A):: IF A
=0 THEN 130
160 CALL SOUND(1000,-4,0)::
H=MAX(H,W):: DISPLAY AT(23,1
):"SCORE";W;"HIGH SCORE";H ::
 CALL DELSPRITE(ALL):: GOTO
 120
170 P=1 :: CALL POSITION(#11
,R,C):: CALL SPRITE(#12,101,
16,160,C+40-(C<20)*254):: GO
TO 140
180 P=2 :: CALL POSITION(#11
,R,C):: CALL SPRITE(#13,101,
16,160,C+40+(C>216)*256):: G
OTO 140
```

If you can't figure out where all the money goes, this may be an eye-opener -

```
100 DISPLAY ERASE ALL AT(3,5
):"THE COST OF CREDIT" ! by
Jim Peterson
110 S,T,X=0 :: DISPLAY AT(8,
1):"AMOUNT OF PURCHASE?" ::
ACCEPT AT(8,21):A :: B,T=A ::
 DISPLAY AT(10,1):"CREDIT CA
RD INTEREST RATE?" :: ACCEP
T AT(11,1):R
120 DISPLAY AT(13,1):"SAVING
S ACCOUNT INT. RATE?" :: ACC
EPT AT(14,1):SR
130 Y=Y+1 :: I=R*R/100/12 ::
 B=B+I :: T=T+I :: P=B/10 ::
 B=B-P :: S=S+P+S*SR/100/12
:: IF SCA THEN 130
140 D$="$"&STR$(INT((T-A+S-A
+.5)*100)/100)
150 DISPLAY AT(17,1):"If you
 had saved the amount":"of y
our minimum 10% of the":"bal
ance credit card payment":"e
ach month for";Y;"months,"
160 DISPLAY AT(21,1):"and us
ed it to pay each, you'd":"
ld have saved ";D$ :: GOTO 1
10
```

And this is one of the handiest routines I've seen in a long time -

```
10 !TURNS ALL NUMERALS AND P
UNCTUATION WHITE! BY HARRY W
ILHELM IN TWIN TIERS 99 NEWS
LETTER
20 !TURN IT OFF BY CALL LOAD
(-31804,0)::TURN IT ON BY CA
LL LOAD(-31804,63)
100 CALL INIT
110 CALL LOAD(16128,2,224,38
,0,2,0,8,17,2,1,63,36,2,2,0,
7,4,32,32,36,2,224,131,192,3
,128)
120 CALL LOAD(16164,240,240,
240)
130 CALL LOAD(-31804,63)
```

Memory Full

Jim Peterson

SOUTHERN NEVADA USERS' GROUP

The SNUGLETter is published monthly by the Southern Nevada Users' Group (SNUG). SNUG is a non-profit organization of individuals with an interest in all aspects of Texas Instruments' 99xx & 99xxx based computers including hardware and software by third party vendors. The GROUP meets 6:30 PM on the second Monday of the month - currently in the Nevada Power Company, Vangert Community Meeting Room, 6226 West Sahara Avenue. Visitors ad guest are welcome to attend the meetings. Information on membership is available provided credit is given to both the author and the original source and that the article not be used for profit. (For-profit organizations wishing to use any article from the SNUGLETter will need to make prior arrangements with the Executive Committee of the Southern Nevada Users' Group.)

SNUG Bulletin Board - (702)648-1247, 24hours 300//1200/2400

Currently SNUG supports Texas Instruments 99/4a computer, and Myarc' Geneve 9640 computer.

Southern Nevada Users' Group
P.O. Box 26301
Las Vegas, NV 89126-0301

LAS VEGAS, NV 890
PM
9 MAY
1989

TO:

Dallas TI Home Computer Group

P.O Box 29863
Dallas TX 75229